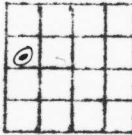


County Cass sec. 16 T. 46 R. 31



Owner Mo-Kansas Oil Co. Elev. 983 MGS#

Farm Smith No. 1 TD 695 Shows gas Spls. no

Status dry Date Completed 11-11-30 Fm TD

Remarks:

MOO19

other three features have experienced some drilling and all have small gas wells located on them, producing gas for private consumption. The North Coleman anticline appears to have been thoroughly tested for the highest well on the structure (Missouri-Kansas Pipe Line Co., Smith No. 1, (Map No. 11), Sec. 16, T. 46 N., R. 31 W.), was drilled to the Mississippi Line without obtaining commercial production. It logged 98 feet of sand at the base of the Cherokee but had water and no gas. However, wells on the southeast flank are producing gas from the Wayside sand and the Lexington coal horizon. The top closing contour lies in Secs. 16 and 17, T. 46 N., R. 31 W. The Mohr-Oakcrest anticline (H-3, in Secs. 1, 2, 11, 12, 13, 14, 23, and 24, T. 46 N., R. 31 W., has 30 feet closure. Top wells on the structure have produced gas from black shale at the Lexington and Mulky coal horizons and from the Squirrel sand which is well developed. The wells have been used only for private consumption, however, and are located on the northwest tip of the top closing contour. Additional surface mapping is advised but careful location of the initial test might secure production without additional preliminary work.

The Pearson anticline (H-6), the top closing contour of which lies in Secs. 25, 26, 34, and 35, T. 45 N., R. 31 W., has two small private wells producing gas from black shale at the Lexington coal horizon. The sharpness of dip on NW, NE and East flanks together with the rather flat top makes this structure appear quite worthy of further testing. However, the higher of these two wells was carried below the horizon of the Squirrel sand without obtaining any production from that zone. Consequently any prospecting should be carried out with this in mind.

The southern part of this district has two and possibly four areas worthy of note. First, the Wright dome (B) of the Harrisonville dome (H-7, A, B), has produced considerable gas but only from the extreme northwest end of the dome. In view of this it seems worthwhile to prospect further the broad flat top of this structure to the south in Secs. 16, and 22, T. 44 N., R. 31 W. Wells will start in the Pleasanton shale so any test should be carried at least to the lower sand horizons in the Cherokee shale before abandonment.

The Hess dome (E) of the Prettyman anticline (H-9) in Sec. 1, T. 43 N., R. 31 W., appears very promising. One small